Surgical Treatment of Peripheral Artery Disease
5/28/2013

Citations below were collected by following the strategy suggested in the Surgery Subject Guide – Tutorials and Subject Guide page

1. From the Surgical Milestones List:

2. Read through “History of Vascular Surgery” Chapter 60 in Surgery: Basic Science Clinical Evidence <http://nrs.harvard.edu/urn-3:hul.ebook:GEN_0387308008>
   Select important innovations that changed practice which you want to discuss in your presentation. Follow up by finding the original studies in the list of references at the end of the chapter. (References begin on p. 1310 in the pdf page numbering. It may be easier to use the print copy of the book which is shelved at WO 100 S9613 2008).

   http://nrs.harvard.edu/urn-3:hul.ebook:MDCON_9781437715606
   Go to Selected References on Peripheral Arterial Disease Chapter 63
   Notice the annotations after each citation

AHA/ACC guidelines is a consensus document describing targets for medical management of vascular disease, including current thoughts on prevention.


CREST—The definitive randomized prospective trial comparing carotid stenting and carotid endarterectomy; it lasted over 10 years and producing the best results from both therapies ever reported in such a trial. Results from carotid stenting were dramatically improved during the second half of the trial as compared with the first half, suggesting the evolutionary nature of endovascular procedures and an identifiable learning curve for new technologies.


NASCET was a randomized prospective trial confirming the superiority of carotid endarterectomy over medical management for patients with high-grade symptomatic carotid disease.


ACAS was a randomized prospective trial confirming the superiority of Carotid Endarterectomy over medical management for the treatment of asymptomatic carotid disease.


A randomized trial that showed in patients with severe limb ischemia due to infra-inguinal disease and who are suitable for surgery and angioplasty, a bypass-surgery-first and a balloon-angioplasty-first strategy are associated with broadly similar outcomes in terms of amputation-free survival, and in the short-term, surgery was more expensive than angioplasty.


A blinded randomized trial that showed clopidogrel to be more effective and safer than aspirin in reducing the combined risk of ischemic stroke, myocardial infarction, or vascular deaths in patients with atherosclerosis.


This consensus document describes an approach for choosing open revascularization versus endovascular therapy for patients based on lesion characteristics.
4. Books from the Countway Collection
Link to this record [http://hollis.harvard.edu/?itemid=|library/m/aleph|003735825](http://hollis.harvard.edu/?itemid=|library/m/aleph|003735825)
- Countway Medicine | WG 500 S961 1992
Read chapter- *A History of Arterial and Venous Surgery*. Wiley F. Barker. Pgs 1- 17 *Excellent bibliography in multiple languages and going back into 17 century*

A history of vascular surgery / Steven G. Friedman.
Link to this record [http://hollis.harvard.edu/?itemid=|library/m/aleph|009742850](http://hollis.harvard.edu/?itemid=|library/m/aleph|009742850)
- Widener | WID-LC | RD598.5 .F75 2005
- Countway Medicine | WG 11.1 F911h 2005

5. Most cited studies

Strategy In Science Citation Index used the following strategy where TS = topic and then sorted by most cited: TS=(surgery OR surgical) AND TS=("peripheral artery" OR "peripheral arterial disease" OR "peripheral arterial diseases") Refined by: Document Types=( ARTICLE ) AND Web of Science Categories=( SURGERY ) This produced 557 articles. The top 10 are listed below:

**Record 1 of 10**

**Title:** Predictive value of noninvasively determined endothelial dysfunction for long-term cardiovascular events in patients with peripheral vascular disease

**Author(s):** Gokce, N (Gokce, N); Keaney, JF (Keaney, JF); Hunter, LM (Hunter, LM); Watkins, MT (Watkins, MT); Nedeljkovic, ZS (Nedeljkovic, ZS); Menzoian, JO (Menzoian, JO); Vita, JA (Vita, JA)

**Source:** JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY  *Volume:* 41  *Issue:* 10  *Pages:* 1769-1775  *DOI:* 10.1016/S0735-1097(03)00333-4  *Published:* MAY 21 2003

**Times Cited in Web of Science:** 354

**Total Times Cited:** 356

**Accession Number:** WOS:000182960900020

**ISSN:** 0735-1097

**Record 2 of 10**

**Title:** Incidence, natural history and cardiovascular events in symptomatic and asymptomatic peripheral arterial disease in the general population

**Author(s):** Leng, GC (Leng, GC); Lee, AJ (Lee, AJ); Fowkes, FGR (Fowkes, FGR); Whiteman, M (Whiteman, M); Dunbar, J (Dunbar, J); Housley, E (Housley, E); Ruckley, CV (Ruckley, CV)

**Source:** INTERNATIONAL JOURNAL OF EPIDEMIOLOGY  *Volume:* 25  *Issue:* 6  *Pages:* 1172-1181  *DOI:* 10.1093/ije/25.6.1172  *Published:* DEC 1996

**Times Cited in Web of Science:** 317
Record 3 of 10
Title: Rescue of diabetes-related impairment of angiogenesis by intramuscular gene therapy with adeno-VEGF
Author(s): Rivard, A (Rivard, A); Silver, M (Silver, M); Chen, DF (Chen, DF); Kearney, M (Kearney, M); Magner, M (Magner, M); Annex, B (Annex, B); Peters, K (Peters, K); Isner, JM (Isner, JM)
Source: AMERICAN JOURNAL OF PATHOLOGY Volume: 154 Issue: 2 Pages: 355-363 DOI: 10.1016/S0002-9440(10)65282-0 Published: FEB 1999
Times Cited in Web of Science: 284
Total Times Cited: 303
Accession Number: WOS:000078575900006
ISSN: 0002-9440

Record 4 of 10
Title: Obesity and Cardiovascular Disease Risk Factor, Paradox, and Impact of Weight Loss
Author(s): Lavie, CJ (Lavie, Carl J.); Milani, RV (Milani, Richard V.); Ventura, HO (Ventura, Hector O.)
Times Cited in Web of Science: 256
Total Times Cited: 261
Accession Number: WOS:000266236800001
Author Identifiers:

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ISSN: 0735-1097

Record 5 of 10
Title: INITIAL EXPERIENCE WITH TRANSLUMINALLY PLACED ENDOVASCULAR GRAFTS FOR THE TREATMENT OF COMPLEX VASCULAR LESIONS
Author(s): MARIN, ML (MARIN, ML); VEITH, FJ (VEITH, FJ); CYNAMON, J (CYNAMON, J); SANCHEZ, LA (SANCHEZ, LA); LYON, RT (LYON, RT); LEVINE, BA (LEVINE, BA); BAKAL, CW (BAKAL, CW); SUGGS, WD (SUGGS, WD); WENGERTER,
Record 6 of 10
Title: NATURAL-HISTORY OF ATHEROSCLEROTIC RENAL-ARTERY STENOSIS ASSOCIATED WITH AORTIC DISEASE
Author(s): TOLLEFSON, DFJ (TOLLEFSON, DFJ); ERNST, CB (ERNST, CB)
Source: JOURNAL OF VASCULAR SURGERY Volume: 14 Issue: 3 Pages: 327-331 Published: SEP 1991
Times Cited in Web of Science: 190
Total Times Cited: 191
Accession Number: WOS:A1991GF10200011
Conference Title: 15TH ANNUAL MEETING OF THE SOUTHERN ASSOC FOR VASCULAR SURGERY
Conference Date: JAN 23-26, 1991
Conference Location: PALM SPRINGS, CA
ISSN: 0741-5214

Record 7 of 10
Title: Prospective blinded study of the relationship between plasma homocysteine and progression of symptomatic peripheral arterial disease
Author(s): Taylor, LM (Taylor, LM); Moneta, GL (Moneta, GL); Sexton, GJ (Sexton, GJ); Schuff, RA (Schuff, RA); Porter, JM (Porter, JM)
Group Author(s): Homocysteine Progression Atherosclerosis Study
Source: JOURNAL OF VASCULAR SURGERY Volume: 29 Issue: 1 Pages: 8-19 DOI: 10.1016/S0741-5214(99)70345-9 Published: JAN 1999
Times Cited in Web of Science: 109
Total Times Cited: 110
Accession Number: WOS:000078016500002
Conference Title: 52nd Annual Meeting of the Society-for-Vascular-Surgery
Record 8 of 10
Title: The role of hyperbaric oxygen therapy in ischaemic diabetic lower extremity ulcers: a double-blind randomised-controlled trial
Author(s): Abidia, A (Abidia, A); Laden, G (Laden, G); Kuhan, G (Kuhan, G); Johnson, BF (Johnson, BF); Wilkinson, AR (Wilkinson, AR); Renwick, PM (Renwick, PM); Masson, EA (Masson, EA); McCollum, PT (McCollum, PT)
Times Cited in Web of Science: 102
Total Times Cited: 105
Accession Number: WOS:000183505800004
ISSN: 0741-5214

Record 9 of 10
Title: Outcome of unreconstructed chronic critical leg ischaemia
Author(s): Lepantalo, M (Lepantalo, M); Matzke, S (Matzke, S)
Times Cited in Web of Science: 95
Total Times Cited: 95
Accession Number: WOS:A1996TU94500006
ISSN: 1078-5884

If you decide to focus on one aspect of this fairly broad topic, consider asking a librarian to help you (countref@hms.harvard.edu) focus some of these database search strategies.

Julia Whelan
Reference & Education Librarian
Countway Library of Medicine